



**US Army Corps
Of Engineers**
Charleston
District



Civil Works Mission

Lisa Metheney



Civil Works Mission

Planning, Designing, Construction and the Operation and Maintenance of authorized Water Resource Development projects through partnerships with stakeholders.

Value to the Nation

- **Environmentally Sustainable**
- **Economically Feasible (+ Net Benefits)**
- **Technically Sound (Quality)**



Civil Works Projects



➤ **Involve Multiple Stakeholders**

- **Sponsor:** Local Community, County, State (DNR, Ports Authorities, etc)
- **Environmental:** EPA, USFWS, State Resource Agencies
- **Government:** Congressional Delegation, State, Local and Federal
- **Other:** Indian Tribes, Local Business, land owners

➤ **Unique in scope, schedule, costs and issues.**



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Business Function Areas



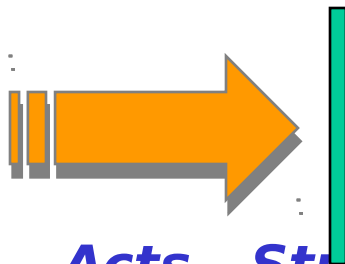
- Navigation
- Hydropower
- Flood Damage Reduction
- Environmental Stewardship
- Recreation
- Water Supply
- Regulatory
- Emergency Management



Terminology

Authorization =

Congress gives permission to undertake a study or project!



Acts - Studies

***House/Senate Committee
Resolution - Studies***

***Water Resources Development
and Projects***



Terminology

Appropriation =

***Congress provides funding
for a study or project!***

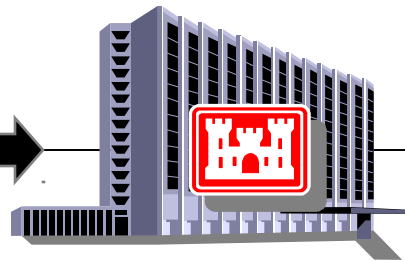
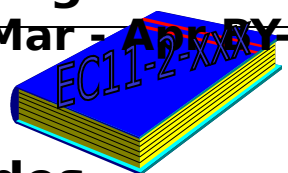


**Energy and Water Development
Appropriations Act**



**HQ Provides
Budget Guidance**

Mar - Apr BY-2

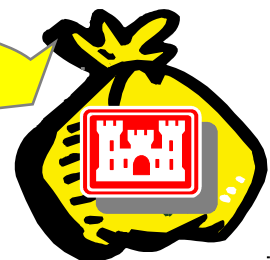


**HQ Review &
Approval**
(Jun - Jul BY-2)



**OMB Provides
Budget Guidance**
(Jan BY-2)

**Funding
Alloc. To
Field
Offices**
(Oct - Dec
BY-2)



**Field Offices
Develop
Program
Requirements**
(May - Jun BY-2)



**Budget
Presented
to Sec. Army**
(Jul - Aug BY-2)

**Budget
Submitted to
OMB** (Sep
BY-2)



**OMB
Passback**
(Nov - Dec
BY-2)

**President's
Budget
to Congress** (Feb
BY-1)



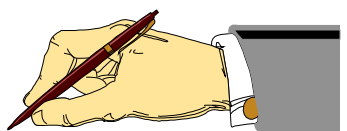
Cong. Hearings (Feb -
Mar BY-1)



**Appropriations
Bills**
(Jul - Sep BY-1)



**President
Signs
Approp. Bill**
(Sep BY-1)





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General Investigations



- Specifically Authorized Studies
- Cover All Our Mission Areas
- Designed for
 - More Complex Problems
 - Larger Geographic Area
 - More Holistic Watershed Approach
- Doesn't Mandate Construction
- Often Requires Multiple Partners to Share Costs





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Now that we have Money and Authority, What's Next?

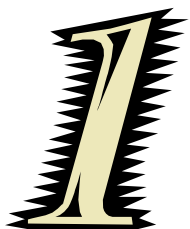


- Three Phases of Investigation
 - Reconnaissance
 - Feasibility
 - Preconstruction Engineering and Design
- Federal Government Generally Pays Largest Share of Investigation Costs
- Each Phase Has a Different Purpose, Time Frame and Cost

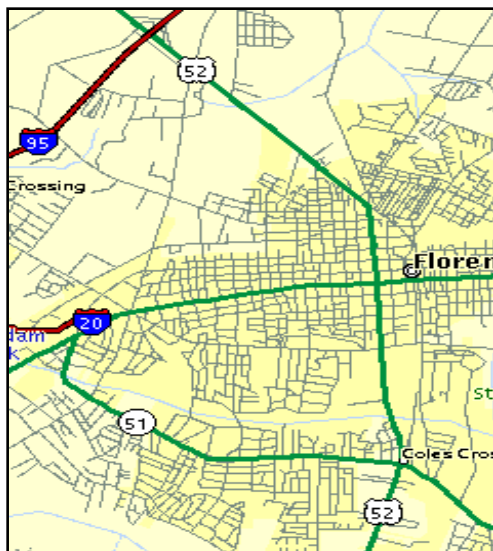




The 3 Phases of Investigation



- Reconnaissance
 - ID Federal Interest, ID Sponsor, Prepare PMP
 - \$100,000 All Federal Money
 - Produces 905b Report





The 3 Phases of Investigation

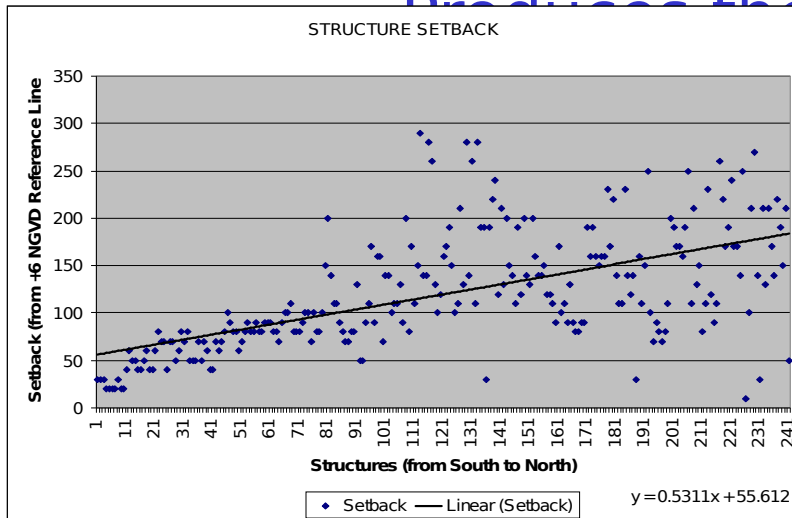


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- Feasibility

- Investigate, initial Design, Perform Economic & Environmental Analysis, Complete NEPA
- Costs Vary Based on Project, Shared 50 – 50 with Sponsor

Produce the Selected Plan





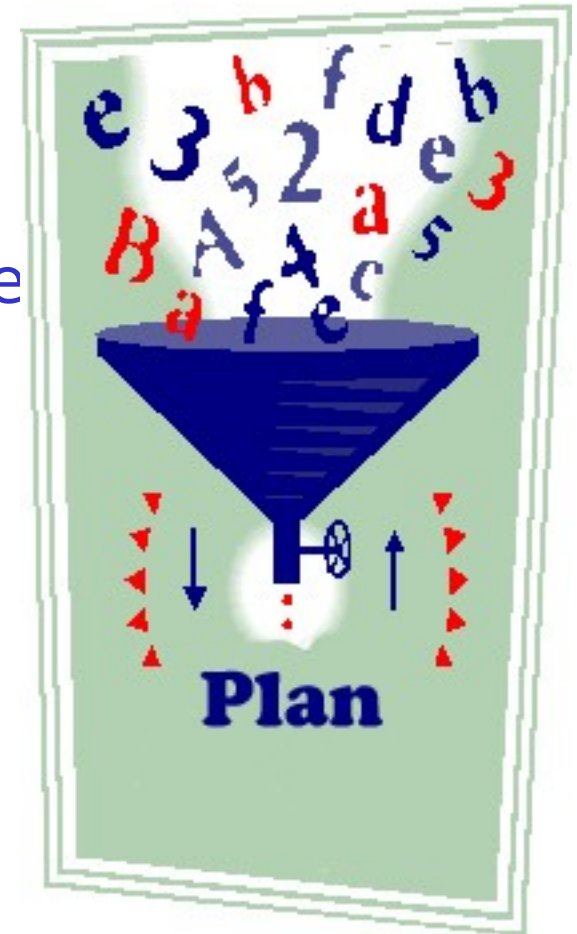
How Many Ways Can You Skin a Cat?



The Planning Process

Six Step Iterative Process

- ID Problems and Opportunities
- Inventory and Forecast
- Formulate Alternative Plans
- Evaluate Plans
- Compare Plans
- Select Recommended Plan





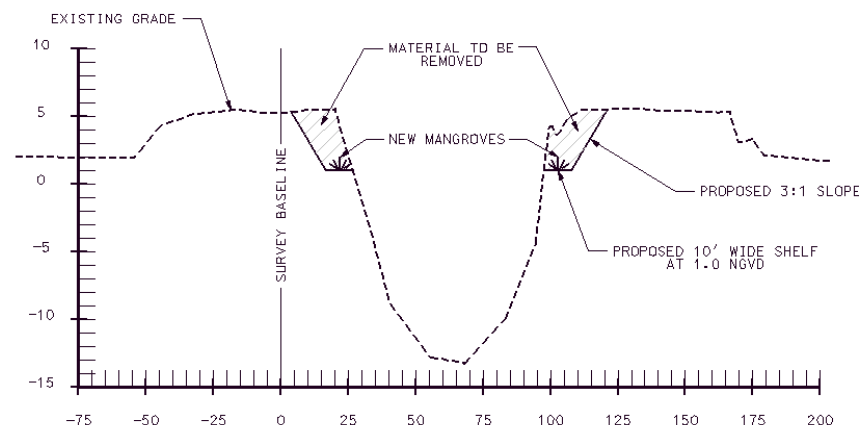
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The 3 Phases of Investigation



PED

- Develop Detailed Designs
- Costs Vary Based on Project, Shared Initially 75-25, Balanced During Construction, usually to 65-35
- Produces Plans and Specs and Bid Packages



TYPICAL SECTION - STATION 12+00 TO STATION 54+00 ,

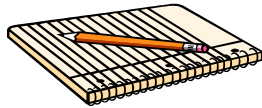


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Project Construction

Authorization



AN
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Appropriation

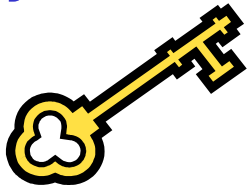


“New Start

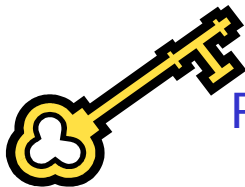
Decision”

General Investigation: Congress authorizes & appropriates
Continuing Authorities Program (CAP): HQUSACE authorizes & appropriates

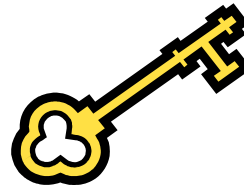
Keys to Success



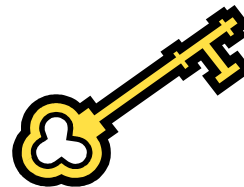
PED Phase Complete



PCA Executed



Real Estate Acquisition



Federal & Sponsor Funds



Impacts to Construction



Budget

Authorization w/o Appropriation or vice-versa

Uncertainty of Future Funding

Corps Response: Performance-Based Budgeting

Timing

Continuing Resolution

Receipt of Sponsor Cost-Share Funds



Impacts to Construction

Funding limits (CAP)

Savings & Slippage

Construction Backlog

Changes in Administration Policy

PCA Execution

Real Estate Acquisition

Construction Contract Award



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